

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/802,682A

Source: 1FW16

Date Processed by STIC: 5/18/05

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/18/2005

PATENT APPLICATION: US/10/802,682A

TIME: 15:53:52

Input Set : A:\109700DIVofficeactionSeq.ST25.txt

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3 <110> APPLICANT: Asakura, Akira
4     Hoshino, Tatsuo
5     Ojima, Setsuko
6     Shinjoh, Masako
7     Tomiyama, Noribumi
9 <120> TITLE OF INVENTION: Novel Alcohol/Aldehyde Dehydrogenases
11 <130> FILE REFERENCE: C38435/109700CON
C--> 13 <140> CURRENT APPLICATION NUMBER: US/10/802,682A
C--> 14 <141> CURRENT FILING DATE: 2004-03-17
16 <150> PRIOR APPLICATION NUMBER: US 08/934,506
17 <151> PRIOR FILING DATE: 1997-09-19
19 <160> NUMBER OF SEQ ID NOS: 16
21 <170> SOFTWARE: PatentIn version 3.3
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25 <212> TYPE: DNA
26 <213> ORGANISM: Gluconobacter oxydans
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177 gccaatggcg tcatcgttgc gggctcgacc tgtcagtatt cgccgttcgg ctgtttcgtt 600
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304 35 40 45
307 Glu Asn Tyr Arg His Ser Pro Leu Thr Gln Ile Thr Thr Glu Asn Val
308 50 55 60
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312 65 70 75 80
315 Gln Val Thr Pro Leu Ile His Asp Gly Val Met Tyr Leu Ala Asn Pro
316 85 90 95
319 Gly Asp Val Ile Gln Ala Ile Asp Ala Lys Thr Gly Asp Leu Ile Trp
320 100 105 110
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324 115 120 125
327 Glu Pro Thr Arg Gly Met Ala Leu Tyr Gly Thr Asn Val Tyr Phe Val
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335 Thr Phe Asp Val Asp Arg Gly Gln Gly Glu Asp Met Val Ser Asn Ser
336 165 170 175
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343 Gln Tyr Ser Pro Phe Gly Cys Phe Val Ser Gly His Asp Ser Ala Thr
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348 210 215 220
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372 305          310          315          320
375 Pro Ser Thr Glu Met Glu Gly Leu Gln Ser Ile Asn Pro Asn Ala Ala
376          325          330          335
379 Thr Gly Glu Arg Arg Val Leu Thr Gly Val Pro Cys Lys Thr Gly Thr
380          340          345          350
383 Met Trp Gln Phe Asp Ala Glu Thr Gly Glu Phe Leu Trp Ala Arg Asp
384          355          360          365
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388          370          375          380
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400          420          425          430
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407 Thr Ser Asn Val Thr Lys Leu Pro Pro Gly Lys Asp Met Ile Gly Arg
408          450          455          460
411 Ile Asp Ala Ile Asp Ile Ser Thr Gly Arg Thr Leu Trp Ser Val Glu
412 465          470          475          480
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416          485          490          495
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420          500          505          510
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427 Gln Ala Ile Ser Tyr Glu Val Asp Gly Met Gln Tyr Val Ala Ile Ala
428          530          535          540
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L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date